WRC 2000

GPS ISSUES

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- International Telecommunication Union
- WRCs
- U.S. Preparation

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- GPS ISSUES
  - Avoid allocation to MSS in GPS Band 1559-1567 MHz plus Resolutions 220, 213
  - New L5 frequency allocation
  - Allocations for other RNSS systems -Galileo
  - Space - to- Space allocation
  - Allocation to Fixed Services at 1559-1610 MHz

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- Avoid allocation to MSS in GPS Band 1559-1567 MHz plus Resolutions 220, 213
  - So far, effort paying off on MSS allocation - many countries opposed to MSS in this band
  - Europe still wants to keep MSS possibility open, tie to other issues
  - New proposal for other MSS bands further complicates

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- New L5 frequency allocation
  - Proposal is 1164-1188 MHz, RNSS
  - Shared with DMEs
  - DMEs do not have to protect
  - U.S. agreed to proposal promoted by Canada for wider band (if needed): 1164-1212 MHz
  - Outstanding issues Power Flux Density Limit (PFD) and space to space direction

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- Allocations for other RNSS systems -Galileo
  - Europe says can’t re-assign DMEs
  - Therefore Galileo needs a narrowband signal to avoid interference
  - Don’t want to be co-frequency with GPS L5
  - Proposes 1151-1215 MHz with high PFD

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- Allocations for other RNSS systems -Galileo (Cont.)
  - Galileo also wants 1260-1300 MHz
  - 1300-1350 (beacon)
  - 5 GHz
  - PFD at 1215-1260 MHz

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- Space - to- Space allocation
  - To protect space-based receivers
  - We proposed for 1559-1610 MHz and 1215-1260 MHz bands
  - L5 in future
  - Europe proposes 1251-1215 and 1260-1300 MHz now

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- Allocation to Fixed Services at 1559-1610 MHz
  - Would like to remove Fixed microwave transmitters from 1559-1610 MHz
  - Europe proposes to phase-out ITU allocation